

Title: Sclerotinia-Inducible Genes and Promoters
and Their Uses

Inventor(s): Bao et al.

Application No: Not Assigned

Atty Dkt No: 35713/234631(5718-139)

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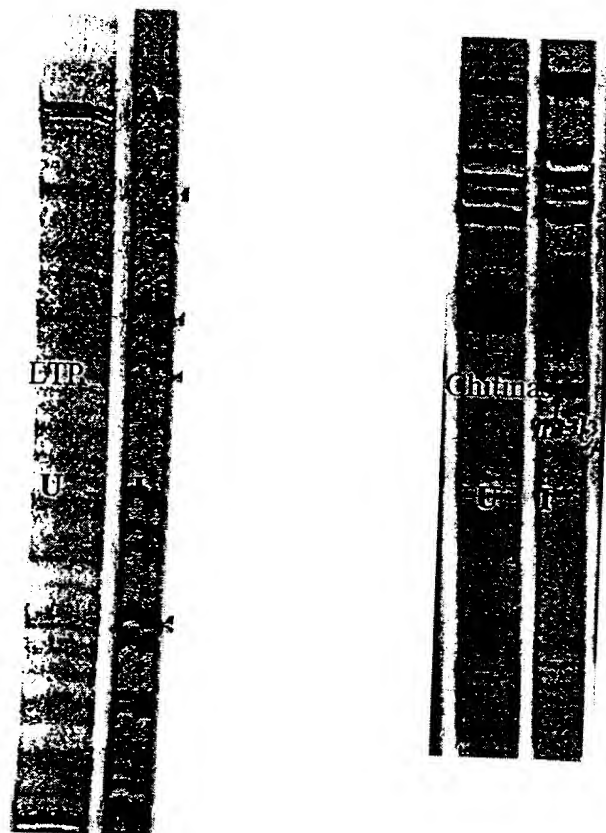
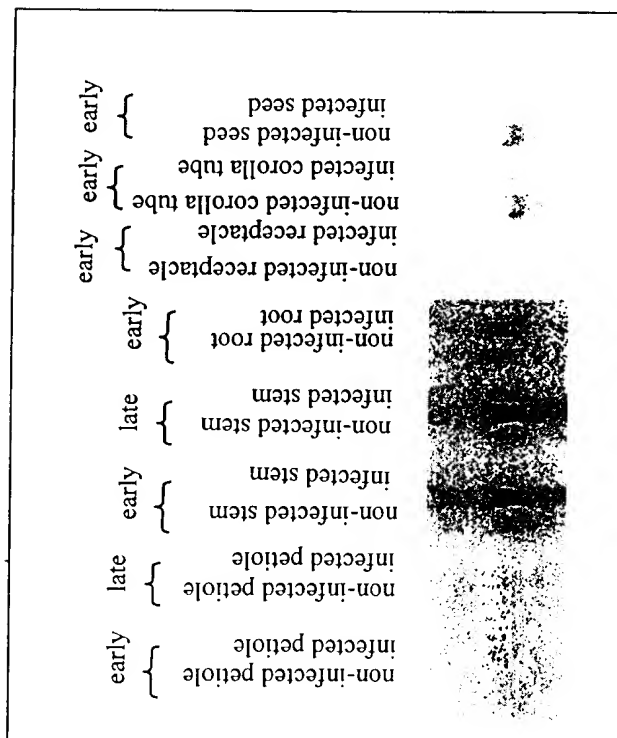


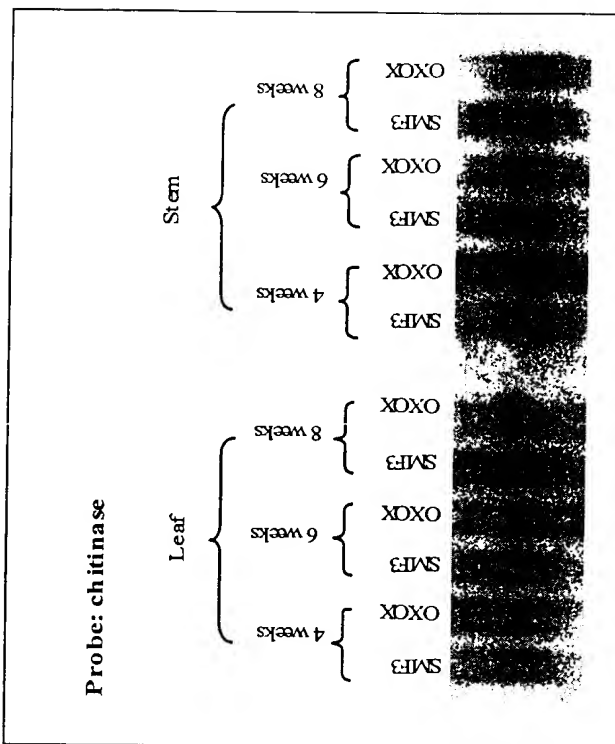
FIGURE 1

Probe: Chitinase

A

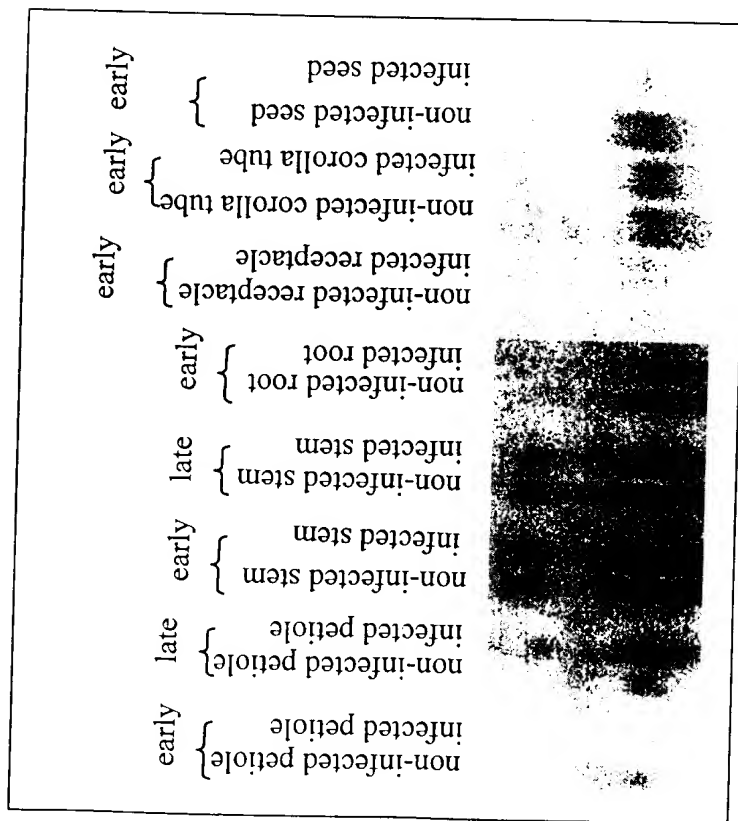


B



Probe: LTP

A



B

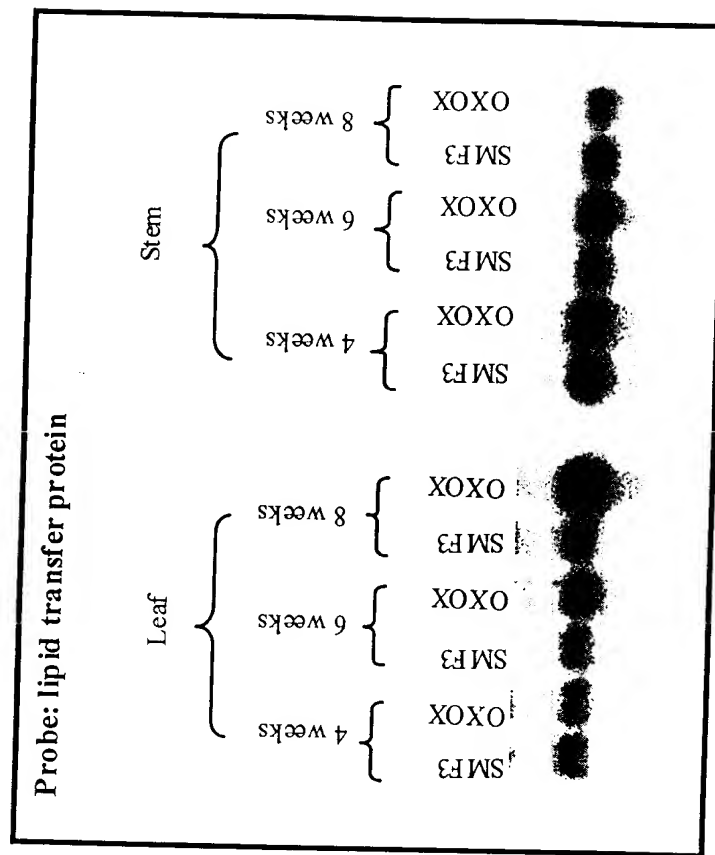


FIGURE 3

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Chitinase promoter

CGTCGTTTCGCTTGCAGGGGGATAAAAGATAATATCATGATCACCATTCA
TCACGCCTAAAATTCCTCCTCTTAGTCAATTGTGAATATTTTGTAAATTAT
TGTGTAGACTATAACTGTTATGTCCTTGCATATATTTCTCCTTGTAATTA
GCCTTGATTTCCAGTATATAATGATATCAAACTCTCTAATCAAGCAGAG
AGAGTTCCTGAATTACATCACCGCTGCCATTTTAGTCCACTAAGTTAAC
TTCATCCATTAATTTTGTTAACGTGAAAGGAAATTCGGTCATTTTCTATG
GCCGAATTGCCCTTGTTAGTTCACAAAATTACATATAAAACCACCGAATTG
CCGTTCTCGTTAACAGAAAAATGAATGAAGTTAACCCAGTGGACTAAAA
TGGCAACGATGAAACCATTTTGGATCCACAGGCGAAAAATGAACTTTT
MRE-like
GGACTAACTGGCGAAAAATAAACTTTTGGACTAACTACATGAACTAA
AATGGCTTTTAACTAAATTTTAATAACCGTTTAAATTTTATAAAGAGAAA
ATAAACTTTACAAAAGCATCGCTTGCTATTTTATAAAGATTAAAGTTA
CTTGACGTTCAAACATATGTTACTAGATGAATCAAGAGTCATGTACAAC
TCTATGTTTAGATAAGGTTACTAGATGAATATGAGTTAGTCATCTATAAG
CAAT box MRE-like
TCTATACTTAGAAAGTTCAAAGTCAATGATTTGTATTGAATACTGTTTGT
AGTTGAATTCATAAAAGCTTTGAATACTGTTTGTAGTTGAATTCATAAAA
TATA box
GCTCGAGTATAAGAGATCATGGGATTCTCGAGTATTACAACACACGATG

FIGURE 4

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LTP promoter

ATCCTACTACCTCAAACCTTATCTAATTCATCAACACAACGGAGGTTTGG
TTATATTTGTTTGGTCCATCCAAAAGGACAAAAATGCACTTCATCTTAAC

W-box

AAAAAAAAAAAAAAAAAACTAAGTTAGTGATTTGGATGAAAATGACAA
ACAAAAGGACAAAAATGCACTTCATCTTAACAAAAAAAAAACTGAGTTA
GTAATTTGGATGAAAACGACAAAAAAGACAAACCTGAAAGATTCAAATG
CACAAAAAAATTATTTTGGATGAAACACGCATATATGATCAAACCCAAGA
GACGATTTTAATATTTTACTCGAAATTTTAAAAGAAGTTAATATTAGACA
GGAATCATGTTAGAGACATATGCCAAACCTATTAATTTTCTAAGTTCAA
ACAAAAATCTATTATTTTCCAAACCACAGCTATAATTTATGTAATTTT
ATCTCTATAAATGGACAAAGAATAAAAGTTTCTACAAACGGTAACAACA
AGGAAGCTACCTCGTTTTGAAGATAGTTAAGACAATAATTCAACTACTT

W-box

TCTAACTACTTTTCTCACAAGACTTAATTTTCCACACACATCTTTATGAC
TAAATCTACCATATGTGATGGGCCAGTCAACCATTAATATGTCTTCAACC
ACAAGTCGGTAAACCGGACCATCAGCCACTTGGCCACGGGCGCAGCTTAG
TGGAAACCGGGGTGCACAACCCCTCTAATGTTTCGGTTAGAAGTGCAAA
ATTTACGATTTTTCGTCCGAAAATTTTCGCCACCAGAACTTTTAGTCAA

CAAT box

ACTTCGCCACTGCACTTTGCCCAATGTTCTATTAAGGTTTTTATTTTATT
TTTATTATTTTATAACGATTCCAAAAATTTTGGACATATACATCTG
ACATGCGTTATATGTAGATATAGAATTTGAACTCGCAACCTTTTAATTAT

TATA box

ACGATACATCACCACCTAGATTTGAATTCTCATTGGGCCCAATGGTCTAT
AAATAATGCACCAACCCCTCAGTTTAAACCACCACCCTACACTTCATAC
AACAAAACCTCTCTAACCACCTCCTTAATCCCCTCCAAAATG

FIGURE 5